

NEBRASKA WEATHER & CROPS

For Week Ending August 7, 1994

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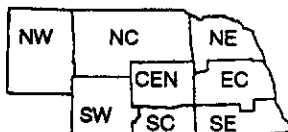
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Lincoln, NE 68501

National Agricultural Statistics Service
U.S. Department of Agriculture
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National Oceanic and Atmospheric Admin.
National Weather Service



Nebraska Department of Agriculture
Division of Agr'l. Statistics
Cooperative Extension Service
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WEATHER

Temperatures averaged from near normals in the west to seven degrees below normals in the east. Scattered precipitation throughout the week varied from .01 inch at North Platte to 2.38 inches at Norfolk.

GENERAL

Warm, humid weather conditions last week provided good growing conditions for crops but slowed hay harvest, according to the Nebraska Agricultural Statistics Service. Since rainfall has been spotty, many irrigation systems have been in operation and dryland producers would like to see another good rain before the crops mature. Grasshopper activity was noted in many areas in the western half of the State with control measures underway. Other producer activities included moving farm-stored grain to market, weed control, grain harvest preparations, and hay harvest.

CROPS

Corn condition was rated at 1% poor, 5% fair, 74% good, and 20% excellent. Irrigated corn was rated at 96% good or excellent and dryland corn at 90% good or excellent. Plant development was at a faster than normal pace again last week with fields in dough at 66%, about two weeks ahead of normal. Fields have begun to reach the dent stage, also ahead of normal.

Soybean condition was rated at 7% fair, 74% good, and 19% excellent. Plant development accelerated again last week with 89% setting pods to date, about two and a

CROPS (Cont.)

half weeks ahead of normal. Weed control continued active with walking fields and using a chemical wick bar the most common practices.

Sorghum condition was rated at 8% fair, 70% good, and 22% excellent. Heading, at 94% complete, was about three weeks ahead of the 5-year average of 40%. Weed control continued active.

Dry bean condition was rated at 21% fair, 64% good, and 15% excellent. About 90% of the acreage had set pods by week's end and 2% with leaves turning color to date.

Alfalfa condition was rated at 1% very poor, 3% poor, 28% fair, 64% good, and 4% excellent. Third cutting activities progressed to 32% harvested as of Sunday. This compares with 5% last year and 20% for the 5-year average. Wild hay condition was rated at 2% very poor, 7% poor, 16% fair, 73% good, and 2% excellent.

LIVESTOCK

Pasture and range condition was rated at 89% of normal and compares with 103% last year. Some areas continue to have grass regrowth and excellent grazing potential for early August, while other areas experienced "green up" but limited grass growth. Pastures with reduced grazing capacity require, in some cases, cattle to be moved from pasture to pasture or fed some supplemental hay. Additional rains would be welcomed to insure grazing potential and help stretch pastures for the remainder of the season.

FIELD WORK PROGRESS AS OF AUGUST 7, 1994	AGRICULTURAL STATISTICS DISTRICTS								STATE	LAST WEEK	LAST YEAR	AVER- AGE
	NW	NC	NE	C	EC	SW	SC	SE				
% corn dough state	26	42	64	41	74	78	89	79	66	28	12	26
% corn dented	0	9	5	2	14	11	18	12	9	0	0	2
% sorghum headed	0	72	87	82	98	94	100	94	94	73	18	40
% sorghum turning color	0	3	0	3	1	1	2	1	1	0	0	2
% soybeans setting pods	0	71	80	83	92	87	84	98	89	53	25	40
% alfalfa third cutting	4	26	23	48	34	29	56	74	32	11	5	20
% dry beans podded	95	100	70	60	0	81	66	0	90	49	41	n/a
% dry beans turning	3	0	0	0	0	1	6	0	2	0	n/a	n/a
DAYS SUITABLE AND SOIL MOISTURE CONDITION AS OF AUGUST 5, 1994												
Days suitable	6.1	6.6	4.1	4.4	4.1	5.8	5.7	4.5	4.9	5.7	5.5	
Topsoil moisture - Short	61	44	13	0	5	33	0	30	24	28	3	
(Percent) - Adequate	39	56	80	80	95	50	83	70	71	70	75	
- Surplus	0	0	7	20	0	17	17	0	5	2	22	
Subsoil moisture - Short	61	11	0	0	5	33	0	40	19	12	0	
(Percent) - Adequate	39	89	93	80	95	67	100	60	79	86	67	
- Surplus	0	0	7	20	0	0	0	0	2	2	33	

n/a = not available.

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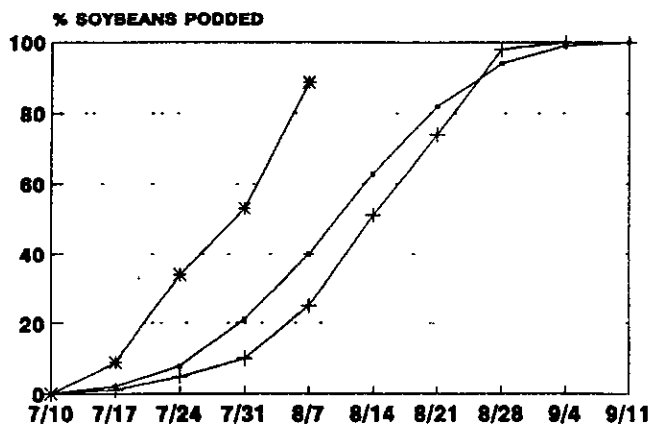
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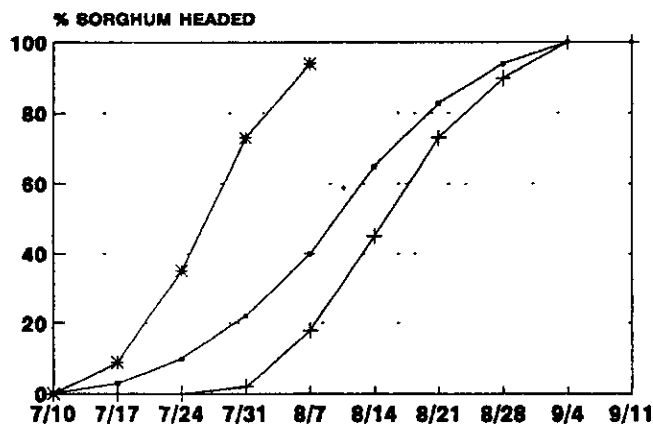
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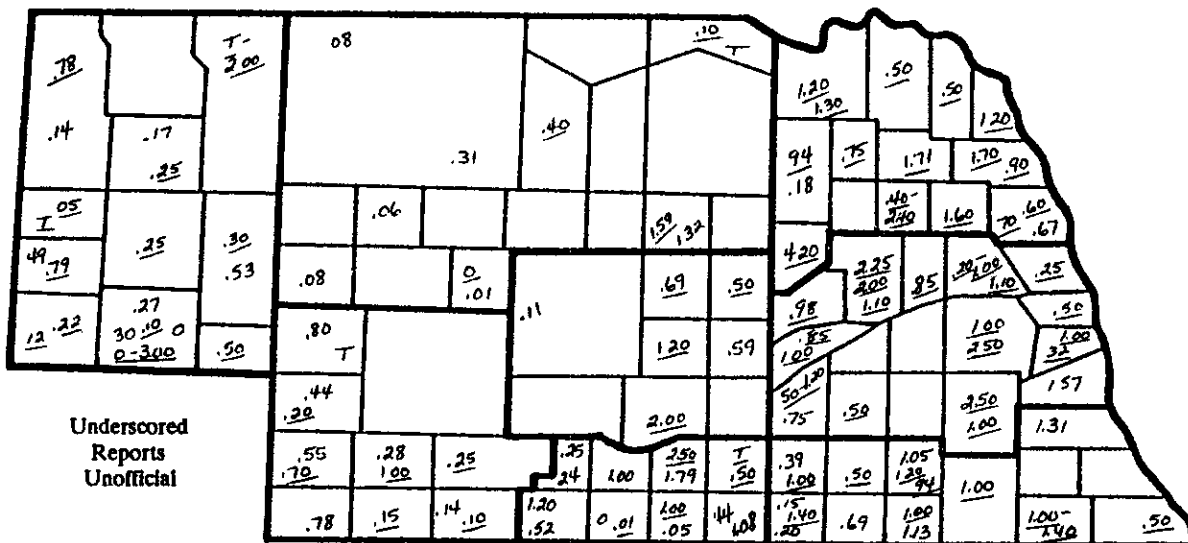
→ 5 YR AV + 1993 * 1994
PROGRESS AS OF SUNDAY

SORGHUM HEADED



→ 5 YR AV + 1993 * 1994
PROGRESS AS OF SUNDAY

PRECIPITATION MAP FOR WEEK ENDING FRIDAY, AUGUST 5, 1994



PRECIPITATION, APRIL 1 - AUGUST 5, 1994

	NW	NC	NE	CEN	EC	SW	SC	SE
Total past week27	.27	.43	.35	1.03	.43	.66	.70
Total since April 1	7.80	13.14	13.05	14.61	15.93	10.34	14.56	14.42
Normal since April 1	10.51	12.52	14.22	13.44	14.91	11.52	13.49	15.56
Total as % of normal	74%	105%	92%	109%	107%	90%	108%	93%

TEMPERATURE, PRECIPITATION, AND GROWING DEGREE DAY DATA, WEEK ENDING SUNDAY, AUGUST 7, 1994

Station		Temperature				Precipitation Total Inches 1/	Growing Degree Data Since April 15			
		Extremes		Mean	Departure		Last Week	Current	Normal	
		Max	Min							
NW	Chadron	101	53	77	---	0	---	---	---	
	Scottsbluff	95	55	74	0	.26	1780	1928	1799	
	Sidney	95	54	72	---	.17	1697	1843	1655	
NC	Valentine	95	49	73	-2	.26	---	---	---	
	Arthur	---	---	---	---	---	1685	1835	1687	
	O'Neill	---	---	---	---	---	1741	1880	1904	
NE	Norfolk	86	48	70	-5	2.38	---	---	---	
	Sioux City	88	49	71	-4	.82	---	---	---	
	Concord	---	---	---	---	---	---	---	---	
	Elgin	---	---	---	---	---	1797	1929	1982	
	West Point	---	---	---	---	---	1801	1936	1924	
		---	---	---	---	---	1917	2054	2033	
CEN	Grand Island	88	51	71	-5	1.24	---	---	---	
	Ord	---	---	---	---	---	1862	2005	1943	
	Wood River	---	---	---	---	---	1920	2065	2106	
EC	Lincoln	88	48	71	-7	1.47	2084	2238	2183	
	Omaha	89	50	73	-3	.33	---	---	---	
	Central City	---	---	---	---	---	1940	2082	2123	
	Mead	---	---	---	---	---	1943	2082	2113	
	Rising City	---	---	---	---	---	1919	2060	2078	
	SW	Imperial	90	59	74	---	.50	---	---	
	North Platte	92	52	73	-1	.01	1799	1950	1863	
	McCook	---	---	---	---	---	1987	2153	2054	
	SC	Holdrege	---	---	---	---	---	1937	2098	2039
	Red Cloud	---	---	---	---	---	1991	2149	2091	
	SE	Beatrice	---	---	---	---	---	2001	2153	2110
		Clay Center	---	---	---	---	---	1946	2093	2068

1/ Precipitation totals not included in map above

Growing Degree Days (GDD) are used to measure the length of time required for a crop to reach maturity. The formula used to calculate GDD is: Max. temp. + min. temp. divided by 2 minus 50 = GDD. For example, if the average temperature for a day = 70 degrees, the GDD = 20 for that day. GDD are calculated for each day and accumulated from April 15.

Growing Degree Day data is furnished by the Department of Agricultural Meteorology, Institute of Agriculture and Natural Resources, The University of Nebraska-Lincoln.